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DERWENT-ACC-NO: 1998-479892  
DERWENT-WEEK: 200119  
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TITLE: Method for improving sorption properties in  
cellulose fibres - involves  
fibres being treated with water-soluble, non-ionic polymer  
having average  
molecular weight of at least approximately 3000

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S

PATENT-ASSIGNEE: EKA CHEM AB[EKAA]

PRIORITY-DATA: 1997SE-0000025 (January 8, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
SE 514466 C2	February 26, 2001 ✓	N/A
000	D21H 021/22	
SE 9700025 A	July 9, 1998	N/A
010	D21H 021/22	
FI 9800004 A	July 9, 1998	N/A
000	D06M 015/03	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SE 514466C2	N/A	1997SE-0000025
January 8, 1997		
SE 9700025A	N/A	1997SE-0000025
January 8, 1997		
FI 9800004A	N/A	1998FI-0000004
January 2, 1998		

INT-CL (IPC): A61L015/26; B32B009/06 ; D06M015/03 ;  
D06M015/327 ;  
D06M015/53 ; D21H017/24 ; D21H017/36 ; D21H021/22

ABSTRACTED-PUB-NO: SE 9700025A

BASIC-ABSTRACT: The treated fibres are natural cellulose  
fibres. The polymers  
are selected from a group which comprises polyethylene  
glycols, polypropylene

glycols, polypropylene  
glycols, polyethylene oxide, polytetrahydrofuran, or  
alkoxylated derivs.,  
polyvinylpyrrolidone or halogen hydroxylated,  
ethylhydroxylated or hydropropyl  
derivs., polyvinyl alcohol, hydroxypropyl starch,  
ethylhydroxyethylcellulose,  
etc.. The solution of polymer containing water is sprayed  
onto the fibres or  
the fibres can be suspended in a solution containing water  
during treatment.  
The absorbent material containing cellulose fibres can be  
fluff, hygiene paper,  
paper impregnated with heat-hardening resin, the paper  
being used as an overlay  
in a decorative laminate.

USE - To improve the sorption properties in cellulose  
fibres.

ADVANTAGE - The method works with already existing natural  
and regenerated  
cellulose fibres and does not involve the use of noxious  
substances.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

METHOD IMPROVE SORPTION PROPERTIES CELLULOSE FIBRE FIBRE  
TREAT WATER SOLUBLE  
NON ION POLYMER AVERAGE MOLECULAR WEIGHT APPROXIMATE

DERWENT-CLASS: A96 D22 F06 F09 P34 P73

CPI-CODES: A03-A04A; A03-A05A; A04-D05A; A05-H01B; A10-E01;  
A11-B05D; A11-C04;  
A12-B03; A12-G; A12-S05M; D09-C06; F05-A06B;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R01852\*R G3634 D01 D03 D11 D10 D23 D22 D31 D42  
D50 D76 D86

F24 F29 F26 F34 H0293 P0599 G3623 ; S9999 S1070\*R

Polymer Index [1.2]

018 ; R24077\*R R01852 G3634 G3623 D01 D03 D11 D10 D23  
D22 D31 D42

D50 D76 D86 F24 F29 F26 F34 H0293 P0599 ; S9999 S1070\*R

Polymer Index [1.3]